

## **METHOD AND SYSTEM FOR TRUNK SIDE MONITORING FOR OPTICAL SWITCHING APPLICATIONS**

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### **ABSTRACT OF THE DISCLOSURE**

An optical switching system (and methods) for switching one of a plurality of optical signals. The system has an optical cross-connect apparatus, e.g., MEMS based. The system has a control device coupled to the optical cross-connect apparatus. A multiplexing device is coupled to the optical cross-connect apparatus. A trunk-monitoring device is 10 disposed before the multiplexing device. The trunk-monitoring device being coupled to at least a primary fiber and a back up fiber. The system has a fiber switch coupled between the multiplexing device and the trunk-monitoring device. The fiber switch is adapted to switch an optical signal from the primary fiber to the back up fiber.

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